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CBIC Control Number

363520

January 21, 2015

US EPA Office of Pollution Prevention and Toxics
1201 Constitution Avenue, NW
WJC East; Room 6428; Attn: Section 8(e)
Washington, DC 20004-3302

SUBJECT: TSCA 8(e) Notice

Dear TSCA Section 8(e) Coordinator:

On behalf of Akzo Nobel Polymer Chemicals LLC and Arkema Inc, we are submitting draft summary results on an OECD 408 90-day repeat dose study with peroxide, [1,3(or 1,4)-phenylenebis(1-methylethylidene)]bis[(1,1-dimethylethyl) CAS# 25155-25-3.

Nothing in this letter is considered confidential business information. This report does not involve effects in humans.

The daily oral administration of the test item to Wistar rats by gavage at the doses of 50, 200 or 800 mg/kg bw/day for 90 days induced at the end of the treatment period:

- Hyaline droplets (alpha 2u-globulin accumulation) in the proximal tubules of the kidneys in males from 50 mg/kg bw/day with a dose-related increase in severity
- Karyomegaly, tubular basophilia and pigmented vacuoles in the proximal tubules of the kidneys in males and females at 800 mg/kg bw/day, with the severity being higher in males
- Liver hepatocellular hypertrophy from 200 mg/kg bw/day in males and females with a dose-related increase in severity
- Thyroid follicular cell hypertrophy with a dose-related increase in severity from 50 mg/kg bw/day in males and 200 mg/kg bw/day in females
- Increased extramedullary hematopoiesis in the spleen from 200 mg/kg bw/day in males and at 800 mg/kg bw/day in females
- Increased hemosiderosis in spleen in females at 800 mg/kg bw/day
Erosion/ulcer of the non-glandular stomach in females at 800 mg/kg bw/day

At the end of the recovery period, some findings were fully reversible and the test item related findings still present in the kidneys, thyroid and spleen were of an overall lower incidence and/or severity.

Please contact me at (312) 544-7061 if you have any questions regarding this letter.

Sincerely,



Louette Rausch
Senior Toxicologist
Akzo Nobel Services Inc.
525 W. Van Buren
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FRANK THORNE
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WASHINGTON, DC 20004

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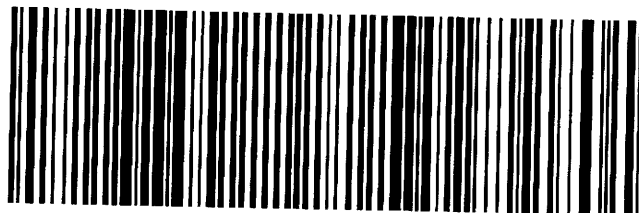
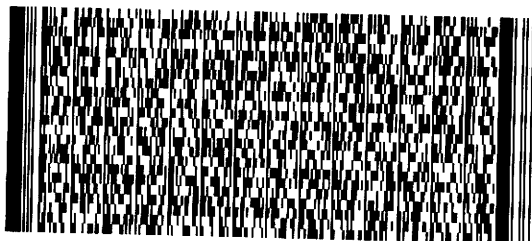
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